

Nuclear Facility Deactivation and Decommissioning (D&D), Remainder of Hanford (RL-0040)

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Uncovering
200-W-42 clay pipe



Exposed clay pipe
at south end
of trench near U-12



End of clay pipe
from U-12
grouted per Facility
Modification Package



Project L-334, Minimize Environmental Impacts from Export Water System Ruptures Waste, removal of old and installation of new isolation valves

Overview

This section addresses Project Baseline Summary (PBS) RL-0040, *Nuclear Facility Deactivation and Decommissioning (D&D), Remainder of Hanford*. There are three major components to this work scope:

- Central Plateau Remediation (CPR) (M. B. Lackey);
- Waste Site Remediation (M. B. Lackey); and
- Reliability Projects (R. G. Slocum).

NOTE: Unless otherwise noted, all information contained herein is as of the end of January 2006.

Notable Accomplishments

PBS RL-0040, Nuclear Facility D&D, Remainder of Hanford

Remediation Projects:

U Plant Waste Sites Remediation

- Time Critical Removal Action (TCRA) field work exposed the 200-W-42 pipe between the 216-U-8 and 216-U-12 Cribs. No contamination was found in the soil, and excavation of the pipe for disposal at the Environmental Restoration Disposal Facility (ERDF) began.
- Regulatory concurrence for a simple soil cover over the 216-U-12 Crib was obtained.

Closure Projects

- Pre-start activities were completed at the 216-Z-9 Slant borehole (200-PW-1, Plutonium/Organic-Rich Process Waste Group).
- High Resolution Resistivity (HRR) was completed around the 216-A-4 crib; four additional lines planned (200-MW-1, Miscellaneous Waste Group).
- A Tri-Party Agreement (TPA) Change Request was approved to slip three interim milestones to allow resources to focus on M-15 negotiations.

FY 2006 Funds vs. Spend Forecast (\$M)

	Projected FY 2006 Funding	FY 2006 Fiscal Year Spend Forecast	Variance
RL-0040 Nuclear Facility D&D, Remainder of Hanford	\$ 66.1	\$ 64.5	\$ 1.5
Total	\$ 66.1	\$ 64.5	1.5

Numbers are rounded to the nearest \$0.1M.

FY 2006 Schedule/Cost Performance (\$M)

	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-0040 Nuclear Facility D&D, Remainder of Hanford	\$14.1	\$18.3	\$15.7	\$4.2	29.7%	\$2.6	14.2%	\$53.8
Total	\$14.1	\$18.3	\$15.7	\$4.2	29.7%	\$2.6	14.2%	\$53.8

Numbers are rounded to the nearest \$0.1M.

Schedule Performance (+\$4.2M/+29.7%):

The favorable schedule variance (SV) for CPR (+\$0.6M) is primarily due to completion of FY 2005 carryover work scope: PUREX NESHAPs, B Plant filter change out, and Ecological Sample Analysis (+\$1.0M); and close out of post contract no action waste sites (+\$1.2M). This is offset by delays in regulatory documentation and barrier design for U Plant Waste Sites, and a delayed start of the haul road construction (-\$1.4M). The schedule for U Plant waste sites is being evaluated to shorten duration and/or work activities in parallel. Recovery is expected during construction activities. Additionally, delays in revision of the 218-W-4B SAP and follow on activities are a result of resources working on other higher priority activities (-\$0.2M). The work scope is expected to be complete this year.

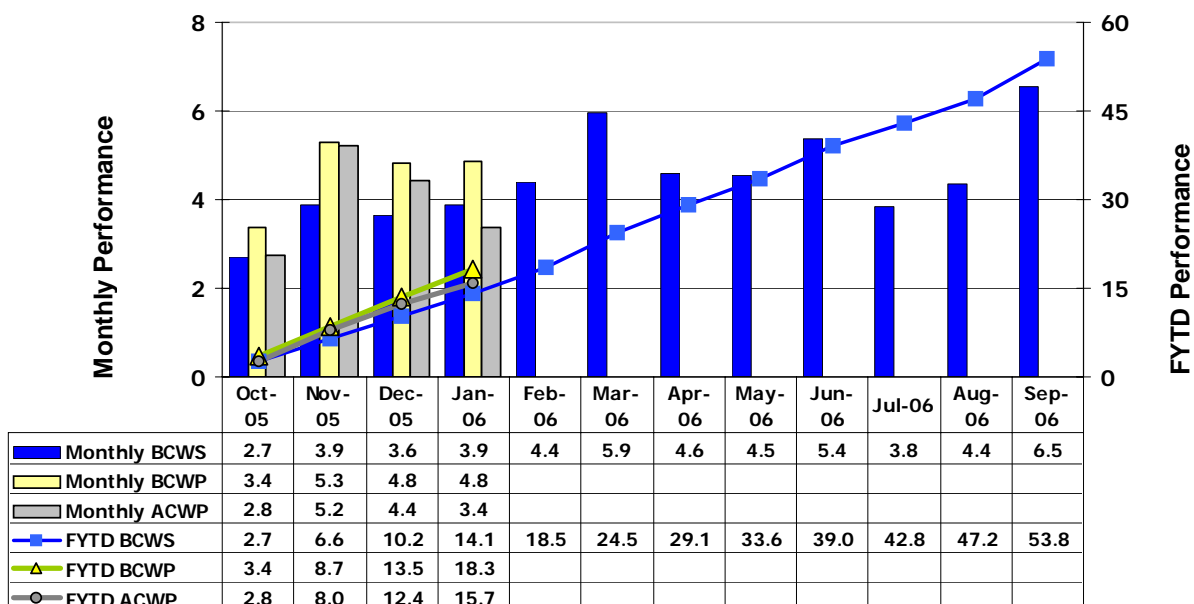
The favorable SV for Closure Services and Infrastructure (CSI) (+\$3.6M) is primarily due to continuing progress on prior year carryover work scope: L-325, "A-8 Substation" (\$2.8M), L-334, "Minimize Potential Environmental Impact from Export Water System Ruptures" (+\$0.4M), L-580, "Trunking Hanford's Secured Radio System" (+\$0.2M), and L-304, "Hanford Site Emergency Alerting System" (+\$0.4M). This was offset by delay in award of contract for L-573, "Closure Support Facility" (-\$0.3M).

Cost Performance (+\$2.6M/+14.2%):

The favorable cost variance (CV) for CPR (+\$2.4M) is primarily the result of closing out post contract period no action waste sites at no cost, completing the Data Quality Objectives (DQO) report for 200-IS-1, Tanks/Lines/Pits/Boxes Waste Group, Closure Strategy documents, and 200-MW-1, Miscellaneous Waste Group HRR for less than planned, and efficiencies in the haul road mobilization.

The favorable CVs for CSI (+\$0.1M) and Closure Services (+\$0.1M) are within thresholds; therefore no explanation is required.

Performance Analysis FYTD and Monthly (\$M)



Milestone Achievement

PBS	MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status / Comments
RL-0040	WMG-06-001 M-091-40L-008	M-91-40L.2.D Submit Quarterly Burial Ground Vent and substrate Sample	HQ	12/01/05	11/08/05		Completed ahead of schedule
RL-0040	TRP-04-324	Issue Action Memorandum for U Plant Ancillary Facilities	RL	12/31/05	01/23/04		Completed ahead of schedule
RL-0040	TRP-04-323	Issue Record-of-Decision for Canyon Disposition Initiative	RL	12/31/05	10/03/06		Completed ahead of schedule
RL-0040	TRP-03-260 M-015-46A	200 Area Chemical Lab Waste OUs Remedial Investigation Report.	HQ	02/28/06			On schedule
RL-0040	WMG-06-005 M-091-40L-009	M-91-40L.3.A Submit Quarterly Burial Ground Vent and substrate Sample	HQ	03/01/06	02/09/09		Completed ahead of schedule
RL-0040	TRP-03-248 M-020-39	Submit 216 S-10 Pond and Ditch Closure Plan to Ecology	HQ	03/31/06			On schedule
RL-0040	TRP-03-245 M-015-39C	Submit 200-CS-1 Chemical Sewer Group FS and Submit PP/Proposed RCRA Permit Mod	HQ	03/31/06			On schedule
RL-0040	TRP-04-320	Demolish Ten U Plant Ancillary Facility Structures	RL	03/31/06	09/07/05		Completed ahead of schedule
RL-0040	TRP-04-321	Demolish 10 B Plant Structures	RL	03/31/06	09/14/04		Completed ahead of schedule
RL-0040	TRP-03-257 M-020-33	Submit Closure/Post Closure Plans for 216-A-10 Crib, Etc.	HQ	04/30/06			On schedule
RL-0040	TRP-03-263 M-015-44A	200-MW-1 OU Remedial Investigation Report	HQ	04/30/06			On schedule
RL-0040	TRP-03-254 M-015-43C	Submit 200-PW-2 OU FS & Proposed Plan/Proposed RCRA Permit Mod	HQ	05/31/06			On schedule
RL-0040	WMG-06-006 M-091-40L-010	M-91-40L.3.B Submit Quarterly Burial Ground Vent and substrate Sample	HQ	06/01/06			On schedule
RL-0040	WMG-06-007 M-091-40L-011	M-91-40L.3.C Submit Quarterly Burial Ground Vent and substrate Sample	HQ	09/01/06			On schedule
RL-0040	WDG-06-401	Remediate U Plant Area High Risk Waste Sites	RL	09/30/06			On schedule
RL-0040	TRP-04-322	Demolish 12 additional B Plant Structures	RL	09/30/06	09/14/04		Completed ahead of schedule
RL-0040	WMG-05-010 M-091-40J	M-91-40J Update 218-W-3A SAP	HQ	45 day before field work begins			On schedule
RL-0040	WMG-05-009 M-091-40I	M-91-40I Update 218-W-4B SAP	HQ	45 day before field work begins			On schedule